Artificial Intelligence tools in Data Visualization and Business Intelligence for Electronic Resources in Namibian Academic Libraries

Section 1: Contribution Details

Contribution	Detail
Authors Name(s)	**Frieda Henok; Helena Nambili**
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Section 2: Abstract Text

Artificial Intelligence tools used in data analytics and visualization have increasingly become an important aspect in the changing landscape in academic libraries. Today, academic libraries are highly investing expenditure on electronic resources because of the demand of resources to the Universities communities. However, electronic resources come at a very straining because on annual subscription and price increase every year. It is therefore crucial to have a clear statistical view of the trends and patterns in price change for the electronic resources. Firstly, this paper outlines electronic resources landscape and the need for evidence based making decision in academic libraries using artificial intelligence tools in data analysis, visualization and reporting. Secondly the study outlines how AI tools are agile and important when incorporated in electronic resources usage statistics in Namibian academic. Lastly, the study demonstrated powerful business intelligence tools available to analyse electronic resources usage statistics such as Machine Learning, Tableau, PowerBI and Excel.